

In the Specification

Please replace paragraph [0033] with the following replacement paragraph:

[0033] Note that the traffic at a node can be drop traffic, bypass traffic or add traffic. The following four variables:  $V_{i,o,p}^{n,w}$ ,  $W_{i,o}^{n,w}$ ,  $B_{i,o}^{n,b}$  and  $F_{i,o}^n$  are used for describing the lightpaths, each of which can represent bypass traffic when  $i \in I_n, o \in O_n$ ; add traffic when  $i \in [I_n, O_n] A_n$ ,  $o \in O_n$  or drop traffic when  $i \in I_n, o \in D_n$ . An incoming (or outgoing) fiber refers to either an input (or output) fiber from (or to) a neighboring node or a fiber connecting the local node to any add (or drop) port at the WXC, BXC and FXC layer).